

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Takuya WATANABE et al. :  
Serial No. NEW : **Attn: APPLICATION BRANCH**  
Filed February 5, 2004 : Attorney Docket No. 2004\_0003

NOVEL G PROTEIN COUPLED RECEPTOR PROTEIN,  
DNA AND ITS LIGAND  
**(Rule 1.53(b) Divisional of Serial No. 09/830,428,  
Filed April 26, 2001)**

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 09/830,428.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

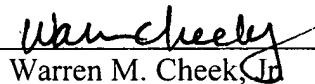
- a. ☐ a full or partial English language translation submitted herewith,
- b. ☐ a foreign patent office search report (in the English language) submitted herewith,
- c. ☐ the concise explanation contained in the specification of the present application at page ,
- d. ☐ the concise explanation set forth in the attached English language abstract,
- e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:

5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Takuya WATANABE et al.

By



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February 5, 2004

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: February 5, 2004

ATTY DOCKET NO.  
2004\_0003SERIAL NO.  
NEWAPPLICANT  
Takuya WATANABE et al.FILING DATE  
February 5, 2004

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,420,526	7/2002	Ruben et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	859052	8/1998	EP				
	AK	853126	7/1998	EP				
	AL	97/13778	4/1997	WO				
	AM	00/50563	8/2000	WO				
	AN							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	West et al., "Chromosome localization and genomic structure of the kiss-1 metastasis suppressor gene (KISS1). Genomics, Vol. 54, No. 1, pp. 145-148, 1998.
	AP	Hori et al., "Metastin suppresses the motility and growth of CHO cells transfected with its receptor", Biochem. Biophys. Res. Commun., Vol. 286, No. 5, pp. 958-963, 2001.
	AQ	Ringel et al., "Metastin receptor is over expressed in papillary thyroid cancer and activates MAP kinase in thyroid cancer cells", J. Clin. Endocrinol. Metab., Vol. 87, No. 5, pp. 2399-2402, 2002.

EXAMINER

DATE CONSIDERED

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	BA						
	BB						
	BC						
	BD						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BE	96/05302	2/1996	WO			
	BF	98/39448	9/1998	WO			
	BG	0 859 052	8/1998	EP			
	BH	0 853 126	7/1998	EP			
	BI						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	BJ	D. Lorimer et al., "Cloning, Chromosomal Location, and Transcriptional Regulation of the Human Galanin-1 Receptor Gene (GALN1R)", Biochemical and Biophysical Research Communications, 241, pp. 558-564, 1997.
	BK	E. Parker et al., "Cloning and characterization of the rat GALR1 galanin receptor from Rin14B insulinoma cells", Molecular Brain Research, 34, pp. 179-189, 1995.
	BL	D. Lee et al., "Discovery of a receptor related to the galanin receptors", FEBS Letters, 446, pp. 103-107, 1999.
	BM	Jeong-Hyung Lee et al., "KiSS-1, a Novel Human Malignant Melanoma Metastasis-Suppressor Gene", Journal of the National Cancer Institute, Vol. 88, No. 23, pp. 1731-1737, December 4, 1996.
	BN	S. An et al., "Characterization of a Novel Subtype of Human G Protein-Coupled Receptor for Lysophosphatidic Acid", The Journal of Biological Chemistry, Vol. 273, No. 14, pp. 7906-7910, April 3, 1998.
	BO	A. Jacoby et al., "Structural Organization of the Mouse and Human GALR1 Galanin Receptor Genes (Galnr and GALNR) and Chromosomal Localization of the Mouse Gene", Genomics, 45, pp. 496-508, 1997.

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	CA						
	CB						
	CC						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	CD							
	CE							
	CF							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	CG	Database EMBL - Online; 5 August 1998, Database Accession No. AC005379.						
	CH	Database EMBL - Online; 14 September 2001, Database Accession No. U43527.						
	CI	Lee et al., Journal of the National Cancer Institute, Vol. 89, No. 20, 15 October 1997, p. 1549.						
	CJ	Database EMBL - Online; 15 March 1999, Database Accession No. AF115516.						
	CK	T. Ohtaki et al., "Metastasis Suppressor Gene KiSS-1 Encodes Peptide Ligand of a G-Protein-Coupled Receptor" Letter to Nature, Vol. 411, 31 May 2001, pp. 613-617.						

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.